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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known	
Application Number	10/840,038
Filing Date	May 6, 2004
First Named Inventor	Adams, John
Group Art Unit	1646
Examiner Name	~~Unknown~~ M. PAUL

Sheet 1 of 1

Attorney Docket No: 67789-003

US PATENT DOCUMENTS

Examiner Initial*	Cite No.*	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines,Where Relevant Passages or Relevant Figures Appear
MDP		US-5,639,741	06/17/1997	Witzel, et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.*	Foreign Document No / Country Code – Number – Kind Code (if known)	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines, Where Relevant Passages or Relevant Figures Appear	T[2]

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]

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EXAMINER MICHAEL PAUL DATE CONSIDERED 4/13/07

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached

FORM PTO-1449 (modified)
To: U.S. Department of Commerce
(PW FORM PAT-1449)
Patent and Trademark Office

Atty. Dkt. No.	M#	Client Ref.
	81476-302961	ADAMS et al.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Applicant: John S. ADAMS et al.

Appln. No.: 10/840,038

Filing Date: May 6, 2004

Date: August 19, 2004 Page 1 Of 4

Examiner: ~~Unknown~~ MPP Group Art Unit: ~~Unknown~~ 1646

U.S. PATENT DOCUMENTS

Examiner's Initials*		Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
MPP	AR	5,962,667	10/05/99	Jain et al.			
↑	BR	US 6,476,196 B1	11/05/02	Ljunggren et al.			
↓	CR	US 6,528,676 B1	3/04/03	D'Amato et al.			
MPP	DR	US 6,531,149 B1	3/11/03	Kirstgen et al.			

FOREIGN PATENT DOCUMENTS

		Document Number	Date MM/YYYY	Country	Inventor Name		English Abstract		Translation Readily Available	
							Enclosed	No	Enclose	No
	ER									

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

MPP	FR	Brown, et al., Pituitary-Adrenal Function in the Squirrel Monkey, (1970) *Endocrinology* 86, 519-529
↑	GR	Chrousos, et al., Glucocorticoid Hormone Resistance During Primate Evolution: Receptor-Mediated Mechanisms, (1982) *Proc. Natl. Acad. Sci.* U.S.A. 79, 2036-2040
	HR	Chrousos, et al., Uterine Estrogen and Progesterone Receptors in an Estrogen- and Progesterone- "Resistant" Primate, (1984) *J. Clinl Endocrinol.* 58, 516-520
	IR	Chrousos, et al., Adaptation of the Mineralocorticoid Target Tissues to the High Circulating Cortisol and Progesterone Plasma Levels in the Squirrel Monkey, (1984) *Endocrinology* 115,25-32.
	JR	Chrousos, et al., Uterine Estrogen and Progesterone Receptors in an Estrogen- and Progesterone- "Resistant" Primate, (1984) *J. Clin. Endocrinol. Metab.* 58, 516-520
	KR	Chrousos, et al., The Squirrel Monkey: Receptor-Mediated End-Organ Resistance to Progesterone?, (1985) *J. Clin. Endocrinol. Metab.* 55, 364-368
	LR	Takahashi, et al., The Mechanism of End-Organ Resistance to 1α,25-dihydroxycholecalciferol in the Common Marmoset, (1985) *Biochem. J.* 227, 555-563
	MR	Adams, et al., Serum Concentrations of 1,25-Dihydroxyvitamin D_3 in Playyrrhini and Catarrhini: A Phylogenetic Appraisal, (1985) *Am. J. Primatol.* 9, 219-224
	NR	Siiteri, P. K., High Plasma Steroid Levels in the Squirrel Monkey: Deficient Receptors or Metabolisms?, (1986) *Adv. Exp. Med. Biol.* 196, 276-286
	OR	Gacad, et al., Influence of Ultraviolet B Radiation on Vitamin D_3 Metabolism in Vitamin D_3-Resistant New World Primates, (1992) *Am. J. Primatol.* 28, 263-270
	PR	Reynolds, et al., Glucocorticoid Resistance in the Squirrel Monkey Is Associated with Overexpression of the Immunophilin FKBP51, (1999) *J. Clin. Endocrinol.* Metab. 84, 663-669
	QR	Reynolds, et al., Cloning and Expression of the Glucocorticoid Receptor from the Squirrel Monkey (*Saimiri boliviensis boliviensis*), a Glucocorticoid-Resistant Primate, (1997) *J. Clin.Endo. Metab.* 82, 465-472
↓	RR	Chun, et al., Cloning, Sequencing, and Functional Characterization of the Vitamin D Receptor in Vitamin D-Resistant New World Primates (2001) *Am. J. Primatol.* 54, 107-118
MPP	SR	Bonnegard, et al., The Genetic Basis of Glucocorticoid Resistance, (1995) *Trends. Endocrinol. Metab.* 6, 160-164

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	Appln. No.: 10/840,038		
	Filing Date: May 6, 2004		
Date: August 19, 2004 Page 2 Of 4	Examiner: Unknown	Group Art Unit: Unknown	

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)						
MDP	TR	Denny, et al., Squirrel Monkey Immunophilin FKBP51 Is a Potent Inhibitor of Glucocorticoid Receptor Binding, (2000) *Endocrinol.* 141, 4107-4113				
	UR	Chen, et al., The Vitamin D Response Element-Binding Protein, (2000) *J. Biol. Chem.* 275, 35557-35564.				
	VR	Chen, et al.,Vitamin D and Gonadal Steroid-Resistant New World Primate Cells Express an Intracellular Protein Which Competes with the Estrogen Receptor for Binding to the Estrogen Response Element, (1997) *J. Clin. Invest.* 99, 669-675				
	WR	Chen, et al., Cloning and Expression of a Novel Dominant-Negative-acting Estrogen Response Element-binding Protein in the Heterogeneous Nuclear Ribonucleoprotein Family, (1998) *J. Biol. Chem.* 273, 31352-31357				
	XR	Chen, et al., Purification and Characterization of a Novel Intracellular 17β-Estradiol Binding Protein in Estrogen-Resistant New World Primate Cells, (2003) *J. Clin. Endocrinol. Metab.* 88, 501-504				
	YR	Gacad, et al., Functional Characterization and Purification of an Intracellular Vitamin D-binding Protein in Vitamin D-resistant New World Primate Cells, (1997) *J. Biol. Chem.* 272, 8433-8440				
	ZR	Wu, et al., Intracullular Vitamin D Binding Proteins: Novel Facilitators of Vitamin D-Directed Transactivation, (2001) *Mol. Endocrinol.* 14, 1387-1397				
	AAR	Gacad, et al., Proteins in the Heat Shock-70 Family Specifically Bind 25-Hydroxyvitamin D_3 and 17β-Estradiol, (1998) *J. Clin. Endocrinol. Metab.* 83,1264-1267				
	BBR	Pasta, et al., Role of the Conserved SRLFDQFFG Region of α-Crystallin, a Small Heat Shock Protein, (2003) *J Biol Chem* 278, 51159-51166				
	CCR	Bullard, et al., Association of the Chaperone αB-crystallin with Titin in Heart Muscle, (2004). *J Biol Chem.* 279, 7917-7924				
	DDR	Sathish, et al., Mechanism of Chaperone Function in Small Heat-shock Proteins, (2003) *J Biol Chem.* 278, 44214-21				
	EER	Bhattacharyya, et al., Cloning and Subcellular Localization of Human Mitochondrial hsp70, (1995) *J. Biol Chem* 270, 1705-1710				
	FFR	Tamrazi, et al., Estrogen Receptor Dimerization: Ligand Binding Regulates Dimer Affinity and Dimer Dissociation Rate, (2002) *Mol Endocrinol.* 16, 2706-2719				
	GGR	Greene, et al., Sequence and Expression of Human Estrogen Receptor Complementary DNA, (1986) *Science* 231 (4742), 1150-1154				
	HHR	Hickey, et al., Sequence and Organization of Genes Encoding the Human 27 kDa Heat Shock Protein, (1986) *Nucleic Acid Res.* 14, 4127-4145				
	IIR	Witek, A., TYPY ALTERNATYWNEGO SKŁADANIA RECEPTORÓW ESTROGENOWYCH ALFA I BETA, (2003) *Ginekol PolMar* 74, 246-51				
	JJR	Ferro, et al., Alternative Splicing of the Human Estrogen Receptor α Primary Transcript: Mechanisms of Exon Skipping, (2003) *Int J Mol Med.* 12, 355-63				
	KKR	Mckenna, et al., Nuclear Receptor Coregulators: Cellular and Molecular Biology, (1999) *Endocrine Reviews* 20, 321-344				
MDP	LLR	Kumar, et al., The Structure of the Nuclear Hormone Receptors, (1999) *Steroids* 64, 310-319				

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Date: August 19, 2004 Page 3 Of 4	Examiner: Unknown	Group Art Unit: Unknown	

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)					
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	NNR	Simpson, et al., Minireview: Aromatase and the Regulation of Estrogen Biosynthesis—Some New Perspectives, (2001) *Endocrinol.* 142, 4589-4594			
	OOR	Labrie, et al., Intracrinology: role of the family of 17β-hydroxysteroid dehydrogenases in human physiology and disease, (2000) *J. Mol. Endocrinol.* 25,1-16			
	PPR	Kumar, et al., The Estrogen Receptor Binds Tightly to Its Responsive Element as a Ligand-Induced Homodimer, (1988) *Cell* 55,145-156			
	QQR	Wood, et al., Estrogen Response Elements Function as Allosteric Modulators of Estrogen Receptor Conformation, (1998) *Mol Cell Biol* 18,1927-1934			
	RRR	Chen, et al., Heterogeneous Nuclear Ribonucleoprotein (hnRNP) binding to hormone response elements: A cause of vitamin D resistance, (2003) *Proc. Natl. Acad. Sci. USA* 100, 6109-6114			
	SSR	Wu, et al., Regulation of 1,25-Dihydroxyvitamin D Synthesis by Intracellular Vitamin D Binding Protein-1, (2002). *Endocrinology* 143,4135-4138			
	TTR	Adams, et al., Novel Regulators of Vitamin D Action and Metabolism: Lessons Learned at the Los Angeles Zoo, (2003) *J Cell Biochem.* 88, 308-314			
	UUR	Ciocca, et al., Biological and Clinical Implications of Heat Shock Protein 27000 (Hsp27): a Review, (1993). *J Natl Cancer Inst* 85, 1558-1570			
	VVR	De Jong, et al., Genealogy of the α-crystallin – small heat-shock protein superfamily, (1998). *Int J Biol Macromol* 22, 151-162			
	WWR	Narberhaus, α-Crystallin-Type Heat Shock Proteins: Socializing Minichaperones in the Context of a Multichaperone Network, (2002). *Microbiol Mol Biol Rev* 66, 64-93			
	XXR	Schlesinger, et al., Heat Shock Proteins, (1990). *J Biol Chem* 265, 12111-12114			
	YYR	Stock, et al., *Heat Shock Protein 27* Gene: Chromosomal and Molecular Location and Relationship to Williams Syndrome, (2003). *Am J Med Genet* 120, 320-325			
	ZZR	Welsh, et al., Small Heat-Shock Protein Family: Function in Health and Disease, (1998). *Ann N Y Acad Sci* 851, 28-35			
	AAA	Young, et al., Molecular Chaperones Hsp90 and Hsp70 Deliver Preproteins to the Mitochondrial Import Receptor Tom70, (2003) *Cell.* 112, 41-50			
	BBB	Concannon, et al., On the Role of Hsp27 in Regulating Apoptosis, (2003). *Apoptosis* 8, 61-70			
	CCC	Gerthoffer, et al., *Signal Transduction in Smooth Muscle* Invited Review: Focal adhesion and small heat shock proteins in the regulation of actin remodeling and contractility in smooth muscle, (2001). *J Appl Physiol* 91, 963-72			
	DDD	Jia, et al., Identification and Characterization of hic-5/ARA55 as an hsp27 Binding Protein, (2001). *J Biol Chem* 276, 39911-8			
	EEE	Haslbeck, M., sHsps And Their Role in the Chaperone Network, (2002). *Cell Mol Life Sci* 59, 1649-1657			
	FFF	Fu, et al., Enhanced Stability of αB-Crystallin in the Presence of Small Heat Shock Protein Hsp27, (2003) *Biochem Biophys Res Commun* 302, 710-714			
MDP	GGG	MacRae, T. H., Structure and Function of Small Heat Shock/α-Crystallin Proteins: Established Concepts and Emerging Ideas, (2000) *Cell Mol Life Sci* 57, 899-913			

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Date: August 19, 2004 Page 4 of 4	Examiner: Unknown	Group Art Unit: Unknown	

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)					
MDP	HHH	Oesterreich, et al., The Small Heat Shock Protein HSP27 Is Not an Independent Prognostic Marker in Axillary Lymph Node-negative Breast Cancer Patients, (1996). *Clin Cancer Res* 2, 1199-1206			
	IIIR	Porter, et al., Role of Estrogen Receptor/Sp1 Complexes in Estrogen-Induced Heat Shock Protein 27 Gene Expression, (1996) *Mol Endocrinol.* 10, 1371-8			
	JJJR	Porter, et al., Transcriptional activation of heat shock protein 27 gene expression by 17β-estradiol and modulation by antiestrogens and aryl hydrocarbon receptor agonists, (2001). *J Mol Endocrinol.* 26, 31-42			
	KKK	Hutchison, et al., Regulation of Glucocorticoid Receptor Function through Assembly of a Receptor-Heat Shock Protein Complex, (1993) *Ann. N. Y. Acad. Sci.* 684, 35-48			
	LLLR	Sabbah, et al., The 90 kDa heat-shock protein (hsp90) modulates the binding of the oestrogen receptor to its cognate DNA, (1996) *Biochem.* J. 314, 205-213			
	MMN	Clemmons, et al., Insulin-Like Growth Factor Binding Protein Secretion by Breast Carcinoma Cell Lines: Correlation with Estrogen Receptor Status, 1990 *Endocrinology.* 127, 2679-2686			
	NNN	Smith, et al., Chemoprevention of Breast Cancer by Tamoxifen: Risks and Opportunities, (2000) *Crit Rev Toxicol.* 30, 571-594			
	OOO	Riggs, et al., Selective Estrogen-Receptor Modulators – Mechanisms of Action and Application to Clinical Practice, (2003) *N Engl J Med.* 348, 618-629			
	PPP	Takahashi, et al., Immunohistochemical Detection of Estrogen Receptor in Invasive Human Breast Cancer: Correlation with Heat Shock Proteins, pS2 and Oncogene Products, (1995) *Oncol.* 52, 371-375			
	QQQ	Munoz de Toro, et al., Lack of Relationship Between the Expression of Hsp27 Heat Shock Estrogen Receptor-associated Protein and Estrogen Receptor or Progesterone Receptor Status in Male Breast Carcinoma (1997) *J. Steroid Biochem. Mol. Biol.* 60, 277-284			
	RRR	Frye, et al., Enhancing effects of estrogen on inhibitory avoidance performance may be in part independent of intracellular estrogen receptors in the hippocampus, 2002 *Brain Res* 956, 285-293			
	SSS	Ciana, et al., In vivo imaging of transcriptionally active estrogen receptors, 2003, *Nat Med* , 9, 82-86			
MDP	TTTR	Chen, et al., Purification and characterization of a novel intracellular 17 beta-estradiol binding protein in estrogen-resistant New World primate cells, 2003, *J Clin Endocrinol Metab.*, 88, 501-504			
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Examiner MICHAEL PHAM	Date Considered: 4/13/07

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